

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)							DATE February 2000		
BUDGET ACTIVITY 3 - Advanced Technology Development				PE NUMBER AND TITLE 0603728A Environmental Quality Technology Development					
COST (In Thousands)	FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	0	1327	1616	2708	2687	3847	3974	Continuing	Continuing
002 Environmental Compliance Technology	0	1327	1616	2708	1841	1442	680	Continuing	Continuing
025 Pollution Prevention Technology	0	0	0	0	846	2405	3294	Continuing	Continuing

A. Mission Description: The focus of this program is to conduct demonstrations to mature technology which will assist Army installations in becoming environmentally compatible without compromising readiness or training. This program will include technology demonstrations for: restoration of sites contaminated with toxic and/or hazardous materials resulting from Army operations; pollution prevention to minimize the Army's use and generation of toxic chemicals and hazardous wastes; compliance with environmental laws by control, treatment, and disposal of hazardous waste products; and conservation of natural and cultural resources while providing a realistic environment for mission activities. This program will include demonstrations of proof of technological feasibility and assessment of operability and producibility that could lead to a capability for Army use, including technology transition from the laboratory to operational use. No other program exists that is appropriate for this work. The program is supported by the Office of the Secretary of Defense's Technology Area Review and Assessment Process. This project supports Army efforts to demonstrate technology to improve the Army's ability to achieve environmental compliance at its installations and its rework and production facilities. Technology demonstrated within this project will focus on reducing the cost of treating hazardous effluents from Army installations including ammunition plants, depots and arsenals to satisfy increasingly stringent wastewater and air pollutant discharge standards. Army facilities are now subject to fines and facility shutdowns for violation of Federal, state, and local air and wastewater discharge regulations. This technology is essential to control and reduce the generation of wastes to satisfy hazardous waste reduction goals and to avoid future hazardous waste disposal costs and liabilities to the Army. Efforts under this project will enable the Army to prevent pollution at installations, facilities operations, and to comply with the myriad of Federal, state, and host country regulations dealing with hazardous wastewater, air emissions, and solid wastes. The primary developing agency for this project is the U.S. Army Engineer Research and Development Center (ERDC).

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BUDGET ACTIVITY

3 - Advanced Technology Development

PE NUMBER AND TITLE

**0603728A Environmental Quality Technology
Development**

B. Program Change Summary	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget (<u>FY 2000/2001</u> PB)	0	1337	1626
Appropriated Value		1337	
Adjustments to Appropriated Value			
a. Congressional General Reductions			
b. SBIR / STTR			
c. Omnibus or Other Above Threshold Reductions		-5	
d. Below Threshold Reprogramming			
e. Rescissions		-5	
Adjustments to Budget Years Since <u>FY 2000/2001</u> PB			-10
Current Budget Submit (<u>FY 2001</u> PB)	0	1327	1616

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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)							DATE February 2000		
BUDGET ACTIVITY 3 - Advanced Technology Development				PE NUMBER AND TITLE 0603728A Environmental Quality Technology Development				PROJECT 002	
COST (In Thousands)	FY 1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
002 Environmental Compliance Technology	0	1327	1616	2708	1841	1442	680	Continuing	Continuing
<p>Mission Description and Justification: The focus of this program is to conduct demonstrations to mature technology which will assist Army installations in becoming environmentally compatible without compromising readiness or training. This program will include technology demonstrations for: restoration of sites contaminated with toxic and/or hazardous materials resulting from Army operations; pollution prevention to minimize the Army's use and generation of toxic chemicals and hazardous wastes; compliance with environmental laws by control, treatment, and disposal of hazardous waste products; and conservation of natural and cultural resources while providing a realistic environment for mission activities. This program will include demonstrations of proof of technological feasibility and assessment of operability and producibility that could lead to a capability for Army use, including technology transition from the laboratory to operational use. No other program exists that is appropriate for this work. The program is supported by the Office of the Secretary of Defense's Technology Area Review and Assessment Process. This project supports Army efforts to demonstrate technology to improve the Army's ability to achieve environmental compliance at its installations and its rework and production facilities. Technology demonstrated within this project will focus on reducing the cost of treating hazardous effluents from Army installations including ammunition plants, depots and arsenals to satisfy increasingly stringent wastewater and air pollutant discharge standards. Army facilities are now subject to fines and facility shutdowns for violation of Federal, state, and local air and wastewater discharge regulations. This technology is essential to control and reduce the generation of wastes to satisfy hazardous waste reduction goals and to avoid future hazardous waste disposal costs and liabilities to the Army. Efforts under this project will enable the Army to prevent pollution at installations, facilities operations, and to comply with the myriad of Federal, state, and host country regulations dealing with hazardous wastewater, air emissions, and solid wastes. The primary developing agency for this project is the U.S. Army Engineer Research and Development Center (ERDC).</p> <p>FY 1999 Planned Program: Project not funded in FY 1999</p> <p>FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • 605 - Begin technology demonstration of cost effective technologies to remove, characterize, and dispose of or reuse sources of Army-peculiar lead hazards (to be completed in FY03). • 686 - Begin technology demonstration of hazardous air pollutant emission control technologies of Army unique pollutants (to be completed in FY05). • 36 - Small Business Innovative Research/Small Business Technology Transfer Programs (SBIR/STTR). <p>Total 1327</p> <p>FY 2001 Planned Program:</p> <ul style="list-style-type: none"> • 899 - Demonstrate cost effective technologies to remove, characterize, and dispose of or reuse sources of lead hazards. • 717 - Demonstrate hazardous air pollutant emission control technologies of Army unique pollutants. <p>Total 1616</p>									
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